

IN THE CLAIMS:

Please AMEND claims 1, 6, 10-17, and 19-21; and

Please ADD claim 22, as shown below.

1. (Currently Amended) An internet protocol based system, comprising:
a plurality of entities,

wherein at least two of said entities ~~being are arranged~~configured to use SCTP
stream control transmission protocol for ~~signalling~~signaling therebetween,

wherein said ~~SCTP-stream control transmission protocol~~signalling~~signaling~~
~~comprising~~comprises a source port number, a destination port number, data, and
connection identity information relating to a connection between at least two of said
entities, and

wherein said connection identity information identifies the ultimate destination of
said data.

2. (Previously Presented) A system as claimed in claim 1, wherein said
connection identity information comprises address information.

3. (Previously Presented) A system as claimed in claim 2, wherein said address
information identifies at least one other further entity.

4. (Previously Presented) A system as claimed in claim 1, wherein said connection identity information comprises information identifying an application.

5. (Original) A system as claimed in claim 1, wherein said connection identity information identifies a connection flow.

6. (Currently Amended) A system as claimed in claim 1, wherein said connection identity information is provided in ~~ana~~ SCTP-stream control transmission protocol packet.

7. (Currently Amended) A system as claimed in claim 6, wherein said connection identity information is provided in the data chunk part of the SCTP-stream control transmission protocol packet.

8. (Original) A system as claimed in claim 7, wherein said connection identity information is provided in a payload protocol identifier field.

9. (Original) A system as claimed in claim 7, wherein said connection identity information is provided in a field between a stream sequence number field and user data.

10. (Currently Amended) A system as claimed in claim 6, wherein said connection identity information is provided in a header for the SCTP-stream control transmission protocol packet.

11. (Currently Amended) A system as claimed in claim 6, wherein said address information is provided in a separate field in said SCTP-stream control transmission protocol packet.

12. (Currently Amended) A system as claimed in claim 1, wherein at least one of the two entities is ~~arranged~~ configured to provide further address information relating to at least one of said two entities.

13. (Currently Amended) A system as claimed in claim 1, wherein at least one of said two entities comprises ~~means for sending and/or receiving a~~ transmission unit configured to send and/or receive SCTP-stream control transmission protocol packets to and/or from the other of said two entities.

14. (Currently Amended) A system as claimed in claim 1, wherein at least one of said two entities comprises ~~means for setting up a~~ set up unit configured to set up SCTP stream control transmission protocol associations.

15. (Currently Amended) A system as claimed in claim 1, wherein at least one of said two entities comprises ~~means for receiving~~ a receiving unit configured to receive status information relating to SCTP-stream control transmission protocol associations.

16. (Currently Amended) A system as claimed in claim 1, wherein at least one of said two entities comprises ~~means for forwarding~~ a forwarding unit configured to forward SCTP-stream control transmission protocol packets to a radio network layer in dependence on said connection identity information ~~of said further entity~~.

17. (Currently Amended) A system as claimed in claim 1, wherein at least one of said two entities comprises ~~means for adding~~ an adding unit configured to add said connection identity information ~~of said further entity~~ to a SCTP-stream control transmission protocol packet.

18. (Previously Presented) A system as claimed in claim 1, wherein said further entity comprises at least one of the following:

- user terminal,
- user,
- group of users,
- service,
- network, or part of network,

-server, or

-cell or base transceiver station.

19. (Currently Amended) A system as claimed in claim 1, wherein one of said entities is one of the following:

base station; controller; radio network controller; core network; radio network access server; gateway₁ or server₁

and wherein the other of said entities is one of the following:

base station; controller; radio network controller; core network; radio network access server; gateway₁ or server.

20. (Currently Amended) A method for use in an internet protocol based system comprising a plurality of entities, the method comprising ~~the steps of~~:

sending ~~SCTP~~ stream control transmission protocol ~~transport signalling~~ ~~signaling~~ information between two of said entities,

wherein said ~~SCTP~~ stream control transmission protocol ~~signalling~~ ~~signaling~~ information ~~comprising~~ comprises a source port number, a destination port number, data, and connection identity information relating to a connection between said two entities, and

wherein said connection identity information identifies the ultimate destination of said data.

21. (Currently Amended) An entity for use in a internet protocol based system, said entity comprising:

~~means for sending a~~ transmission unit configured to send to another entity ~~an a~~ SCTP-stream control transmission protocol transport packet,

wherein said entity ~~being is arranged~~ configured to include in said packet a source port number, a destination port number, data, and connection identity information relating to a connection between the entity and the another entity, ~~and at least two of said entities~~

wherein said connection identity information identifies the ultimate destination of said data.

22. (New) An entity for use in a internet protocol based system, said entity comprising:

means for sending to another entity a stream control transmission protocol transport packet,

wherein said entity is configured to include in said packet a source port number, a destination port number, data, and connection identity information relating to a connection between the entity and the another entity, and

wherein said connection identity information identifies the ultimate destination of said data.